

9/10/03 - IDS

Sheet 1 of 5

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| SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION | ATTY. DOCKET NO. 6056-316 CT1 (189230) | SERIAL NO. Not Yet Assigned |
| | APPLICANT: Antonio M. Goncalves, Ph.D. | |
| | FILING DATE: Herewith | GROUP Not Yet Assigned |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
|---------------------|----|--------------------|---------|------------------|-------|----------|------------------------------------|
| Cn | AA | 3,062,731 | 11/1962 | E.L. Durrum | | | |
| | AB | 3,674,678 | 07/1972 | Post, Jr. et al. | | | |
| | AC | 3,715,295 | 02/1973 | Tocci | | | |
| | AD | 3,751,357 | 08/1973 | S.D. Rains | | | |
| | AE | 3,865,712 | 02/1975 | Davies | | | |
| | AF | 3,984,298 | 10/1976 | Haber | | | |
| | AG | 4,101,401 | 07/1978 | Hoefer | | | |
| | AH | 4,111,784 | 09/1978 | Dahms | | | |
| | AI | 4,146,454 | 03/1979 | Haber | | | |
| | AJ | 4,207,166 | 06/1980 | Dahms | | | |
| Ch | AK | 4,391,688 | 07/1983 | Hamelin | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES | NO |
|----|----|-----------------|---------|---------|-------|----------|--------------------|----|
| Cn | AL | EP 0134622 | 05/1984 | Europe | | | | |
| | AM | JP360154150 | 08/1985 | Japan | | | ABSTRACT | |
| | AN | | | | | | | |
| | AO | | | | | | | |
| | AP | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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| Ch | AR | "Chemoelectronic Mobilization of Chemical Species in Low-Conductivity Fluids: New Electrokinetic Effect." Norman Haber, Proc. Natl. Acad. Sci. USA, Vol. 79, pp. 272-276, January 1982 |
| Ch | AS | "Electromolecular Propulsion (EMP): A Rapid, Simple Method for Analyzing Dyes Used in Microscopy." Norman Haber, BIOTECHNIC & HISTOCHEMISTRY, Williams & Wilkins, Vol. 73, No. 2, pp. 59-69, Feb. 3, 1998 |
| | AT | |

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| EXAMINER Ch Nagerola | DATE CONSIDERED 4/10/05 |
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|---------------------|----|--------------------|---------|------------------|-------|----------|---------------------------------|
| 724 | BA | 4,414,073 | 11/1983 | Iwata et al. | | | |
| | BB | 4,415,418 | 11/1983 | Turre et al. | | | |
| | BC | 4,693,804 | 09/1987 | Server | | | |
| | BD | 4,699,680 | 10/1987 | Shiraishi et al. | | | |
| | BE | 4,735,697 | 04/1988 | Burton | | | |
| | BF | 4,741,814 | 05/1988 | Mayes et al. | | | |
| | BG | 4,874,490 | 10/1989 | Hochstrasser | | | |
| | BH | 4,892,639 | 01/1990 | Sarrine et al. | | | |
| | BI | 4,966,792 | 10/1990 | Terai et al. | | | |
| | BJ | 5,066,377 | 11/1991 | Rosenbaum et al. | | | |
| an | BK | 5,068,019 | 11/1991 | Yoshida et al. | | | |

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| | BC | | | | | | | |
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| EXAMINER <i>Alb. Negerola</i> | DATE CONSIDERED 4/10/05 |
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|---------------------|----|--------------------|---------|-----------------|-------|----------|---------------------------------|
| an | CA | 5,106,477 | 04/1992 | Coleman | | | |
| | CB | 5,147,522 | 09/1992 | Sarrine | | | |
| | CC | 5,190,629 | 03/1993 | Sugihara et al. | | | |
| | CD | 5,228,970 | 07/1993 | Foley | | | |
| | CE | 5,411,657 | 05/1995 | Leka | | | |
| | CF | 5,441,104 | 08/1995 | Ehr et al. | | | |
| | CG | 5,458,760 | 10/1995 | Kozulic | | | |
| | CH | 5,464,521 | 11/1995 | Bellon | | | |
| | CI | 5,472,589 | 12/1995 | Jacobs | | | |
| | CJ | 5,543,023 | 08/1996 | Lugojan | | | |
| cen | CK | 5,569,369 | 10/1996 | Leffler et al. | | | |

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|---------------------|----|--------------------|---------|-------------------|-------|----------|---------------------------------|
| an | DA | 5,582,702 | 12/1996 | Cabilly et al. | | | |
| | DB | 5,637,202 | 06/1997 | Harrington et al. | | | |
| | DC | 5,637,203 | 06/1997 | Sarrine | | | |
| | DD | 5,709,788 | 01/1998 | Chen | | | |
| | DE | 5,736,022 | 04/1998 | Axelsson | | | |
| | DF | 5,827,418 | 10/1998 | Haven et al. | | | |
| | DG | 5,858,189 | 01/1999 | Williams | | | |
| | DH | 5,865,974 | 02/1999 | Cabilly et al. | | | |
| | DI | 5,865,975 | 02/1999 | Bishop | | | |
| | DJ | 5,888,369 | 03/1999 | Tippins et al. | | | |
| an | DK | 5,972,188 | 10/1999 | Rice et al. | | | |

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|---------------------|----|--------------------|---------|-----------------|-------|----------|---------------------------------|
| Q4 | EA | 5,989,400 | 11/1999 | Islam | | | |
| | EB | 6,027,628 | 02/2000 | Yamamura et al. | | | |
| | EC | 6,036,831 | 03/2000 | Bishop | | | |
| | ED | 6,093,296 | 07/2000 | Soane et al. | | | |
| | EE | 6,123,821 | 09/2000 | Anderson et al. | | | |
| | EF | 6,193,868 | 02/2001 | Hsu | | | |
| | EG | 6,245,206 | 06/2001 | Anderson et al. | | | |
| | EH | 2001/0037940 | 11/2001 | Shih et al. | | | |
| | EI | 6,368,481 | 04/2002 | Sowa et al. | | | |
| | EJ | 6,374,684 | 04/2002 | Dority | | | |
| | EK | 6,375,899 | 04/2002 | Ackley et al. | | | |
| Q4 | EL | 6,379,516 | 04/2002 | Cabilly et al. | | | |

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